

JUL 15 '02 (MON) 16:39

APPENDIX D

**(VERSION OF CLAIMS AS AMENDED HEREIN
WITH MARKINGS TO SHOW CHANGES MADE)**

(Attorney Docket No. 5087US)

VERSION OF CLAIMS WITH MARKINGS TO SHOW CHANGES MADE

1. (Amended) A strain control device comprising:
 - a body having a first end and a second end;
 - a first opening defined in the first end;
 - a second opening defined in the second end; and
 - at least one cavity formed in a surface of the body extending between the first and second openings, a periphery of the at least one cavity being at least partially defined by a first wall and a second opposing wall which laterally deviates from the first wall.
3. (Amended) The strain control device of claim 1, wherein the at least one cavity includes multiple cavities arranged in a longitudinally extending end-to-end pattern including at least a first cavity and a second cavity, wherein the second cavity is configured as a reverse image of the first cavity with respect to a longitudinal centerline passing through the first and second openings and wherein at least another opening is positioned between the first and second cavities.
4. (Amended) The strain control device of claim 3, wherein the first, second and at least another openings are configured as substantially C-shaped openings in transverse ~~cross-section~~ cross section.
6. (Amended) The strain control device of claim 5, wherein the cover is configured to thermally insulate the multiple cavities.
17. (Amended) The strain control device of claim 1, further comprising an adapter including an annular body having a first inner radius and second larger outer radius, wherein the second larger outer radius is sized and configured to cooperatively contact an inner wall of at least one of the first and second openings.

JUL 15 '02 (MON) 16:40

22. (Amended) A strain control device comprising:
a body having a first end and a second end;
a first plurality of openings defined in the first end;
a second plurality of openings defined in the second end; and
at least a first plurality of cavities formed in a surface of the body, each cavity of the at least a
first plurality of cavities extending between an opening of the first plurality of openings and an
opening of the second plurality of openings, each of the at least a first plurality of cavities having
a periphery which is at least partially defined by a first wall and a second opposing wall which
deviates from the first wall.

24. (Amended) The strain control device of claim 22, further comprising a second
plurality of cavities and a third plurality of openings, wherein each cavity of the second plurality
of cavities includes a periphery having a third wall and a fourth opposing wall which deviates
from the third wall, each cavity of the second plurality of cavities being adjacent to a cavity of
the at least a first plurality of cavities arranged in a longitudinally extending ~~end-to-end~~ end-to-end
pattern, and wherein each of the third plurality of openings is disposed between a one of the at
least a first plurality of cavities and an adjacent one of the second plurality of cavities.

25. (Amended) The strain control device of claim 22, further comprising a cover
configured to cooperatively mate with the body and substantially conceal the at least a first
plurality of cavities.

26. (Amended) The strain control device of claim ~~22~~ 25, wherein the cover is formed
of a first material and the body is formed of a second different material.

27. (Amended) The strain control device of claim 22, wherein each of the first and
second pluralities of openings ~~are~~ is configured as a substantially C-shaped ~~opening~~ opening.

28. (Amended) The strain control device of claim 22, wherein the body is formed of a material comprising nitrile rubber.

30. (Amended) The strain control device of claim 22, wherein the second opposing wall of each of the at least a first plurality of cavities includes at least a portion which exhibits a substantially constant radius.

31. (Amended) The strain control device of claim 22, wherein each of the first and second pluralities of openings are sized and configured to receive and frictionally grasp a transmission line passing therethrough.

33. (Amended) A strain control device comprising:
a body having a first end and a second end; and
at least one cavity formed within a surface of the body between the first end and the second end,
the at least one cavity configured to receive at least a portion of a transmission line therein and
wherein the at least one cavity defines a deviation path for the at least a portion of the transmission line.

34. (Amended) The strain control device of claim 33, wherein the at least one cavity is at least partially defined by a first substantially linear boundary and a second opposing boundary which deviates from the first substantially linear boundary.

36. (Amended) The strain control device of claim 35, further comprising a first opening formed in the body at a first end of the at least one cavity and a second opening formed in the body at a second end of the at least one cavity.

39. (Amended) The strain control device of claim ~~37~~38, wherein the deviation path is defined to allow displacement of the at least a portion of the transmission line towards the first substantially linear boundary upon the elongation of the body.

41. (Amended) A rocket motor comprising:
a rocket casing;
at least one body attached to a surface of the rocket casing, the at least one body having a first end and a second end;
a first opening defined in the first end of the at least one body;
a second opening defined in the second end of the at least one body; and
at least one cavity formed in a surface of the at least one body, the at least one cavity extending between the first and second openings, a periphery of the at least one cavity being at least partially defined by a first substantially linear wall and a second opposing wall which deviates from the first substantially linear wall.

43. (Amended) The rocket motor of claim 42, wherein the transmission line is arranged within the at least one cavity such that it is displaced from both the first and second walls while the at least one body is in a state exhibiting substantially no strain.

45. (Amended) A strain control device comprising:
a body having a first grasping member configured to frictionally engage a first portion of a transmission line and a second grasping member configured to frictionally engage a second portion of the transmission line; and
at least one cavity defined in the body between the first grasping member and the second grasping member, the at least one cavity being configured to accommodate a third portion of the transmission line therein and defining a deviation path for the third portion of the transmission line.

46. (Amended) The strain control device of claim 4345, wherein the at least one cavity is at least partially defined by a first substantially linear wall and a second opposing wall which deviates from the first substantially linear wall.

47. (Amended) A method of controlling strain in a transmission line, the method comprising:
providing a body;
forming ~~ana~~ a first opening in a first end of the body;
forming a second opening in a second end of the body;
forming at least one cavity in a surface of the body disposed between the first and second openings;
defining the at least one cavity with a peripheral boundary which includes a first wall and a second opposing wall which deviates from the first wall; and
positioning a transmission line within the at least one cavity such that it extends from the first opening, through the at least one cavity and through the second opening.

48. (Amended) The method according to claim 47, further comprising sizing and configuring the first and second openings to frictionally grasp the transmission ~~line~~line as it extends therethrough.

49. (Amended) The method according to claim 48, wherein the positioning a transmission line within the at least one cavity includes ~~position~~positioning at least a portion of the transmission line substantially midway between the first wall and the second opposing wall with the body being in an unstrained state.

50. (Amended) The method according to claim 49, further comprising subjecting the body to a ~~strain-inducing~~strain-inducing force and causing displacement of the at least a portion of the transmission line toward the peripheral boundary of the at least one cavity.

51. (Amended) A method of controlling strain in a transmission line, the method comprising:
providing a body having a first grasping member and a second grasping member;
forming at least one cavity in the body in communication with the first and second grasping

~~member~~members, the at least one cavity being configured to provide a deviation path to the transmission line;
frictionally engaging a first portion of the transmission line with the first grasping member;
frictionally engaging a second portion of the transmission line with the second grasping member;
and
disposing a third portion of the transmission line within the at least one cavity.

53. (Amended) The method according to claim 52, further comprising defining the at least one cavity to include a peripheral boundary having a first substantially linear wall and a second opposing wall which deviates from the first substantially linear wall.

54. (Amended) The method according to claim 53, wherein the providing a body, forming a first opening, forming a second opening and forming at least one cavity includes molding a body having a first and second opening and at least one cavity.

56. (Amended) The method according to claim 53, wherein the providing a body includes forming the body of a material comprising nitrile rubber.

~~56~~57. (Amended) The method according to claim 53, wherein the providing a body includes forming the body of a material comprising neoprene.

~~57~~58. (Amended) The method according to claim 53, wherein the providing a body includes providing a body formed of a thermally insulative material.

~~58~~59. (Amended) A strain control device comprising:
a body having a plurality of body sections arranged in a longitudinally extending pattern, each body section including:

at least one cavity formed therein, the at least one cavity having a periphery defined at least partially by a first wall and a second opposing wall which deviates laterally

from the first wall; and
at least one grasping member configured to receive and frictionally grasp a transmission
line to be installed therein.

5960. (Amended) A strain control device comprising:
a body having a first plurality of cavities arranged in a longitudinally extending pattern; and a
first plurality of grasping members, wherein at least one grasping member of the first plurality is
disposed between each of two adjacent cavities of the first plurality of cavities.

6061. (Amended) The strain control device of claim 5960, further comprising at least a
second plurality of cavities arranged in a longitudinally extending pattern and a second plurality
of grasping members, wherein at least one grasping member of the second plurality of grasping
members is disposed between each of two adjacent cavities of the second plurality of cavities.